

**Abstract**

The present invention relates to a method for immunostimulation in a mammal, which comprises a. administration of at least one mRNA containing a region which codes for at least one antigen of a pathogen or at least one tumour antigen, and b. administration of at least one cytokine, at least one cytokine mRNA, at least one CpG DNA or at least one adjuvant RNA. The invention likewise relates to a product and a kit comprising the mRNA and cytokine or cytokine mRNA or CpG DNA or adjuvant RNA of the invention.